CLAIMS

_What is claimed is:

1   1.   A method for completing a multimedia call addressed to a user address of a
2   mobile user, the mobile user having registered to receive a multimedia call at a multimedia
3   terminal with a personal intelligent device ("PID"), comprising:
4   storing a user address and a physical address of the multimedia
5   terminal in a mobile user record, wherein the user address was received from
6   the PID via the multimedia terminal;
7   responsive to a multimedia call addressed to the user address,
8   determining the physical address based at least partly from the mobile user
9   record;
10   transmitting call notification information to the multimedia terminal at
11   the physical address; and
12   completing the multimedia call to the multimedia terminal at the
13   physical address.

1   2.   The method of claim 1, wherein the call notification information includes the
2   user address.

1   3.   The method of claim 2, wherein the call notification information incudes a call
2   announcement message.

1   4.   The method of claim 1, wherein

2   storing a user address includes storing a PID address, wherein the

3   PID address was received from the PID via the multimedia terminal; and

4   determining the physical address includes determining the PID

5   address.

1   5.   The method of claim 4, wherein transmitting the call notification information

2   includes the PID address.

1   6.   The method of claim 5, wherein the call notification information includes a call

2   announcement message.

1   7.   The method of claim 4, wherein transmitting the call notification information

2   includes transmitting a call announcement message addressed to the PID address.
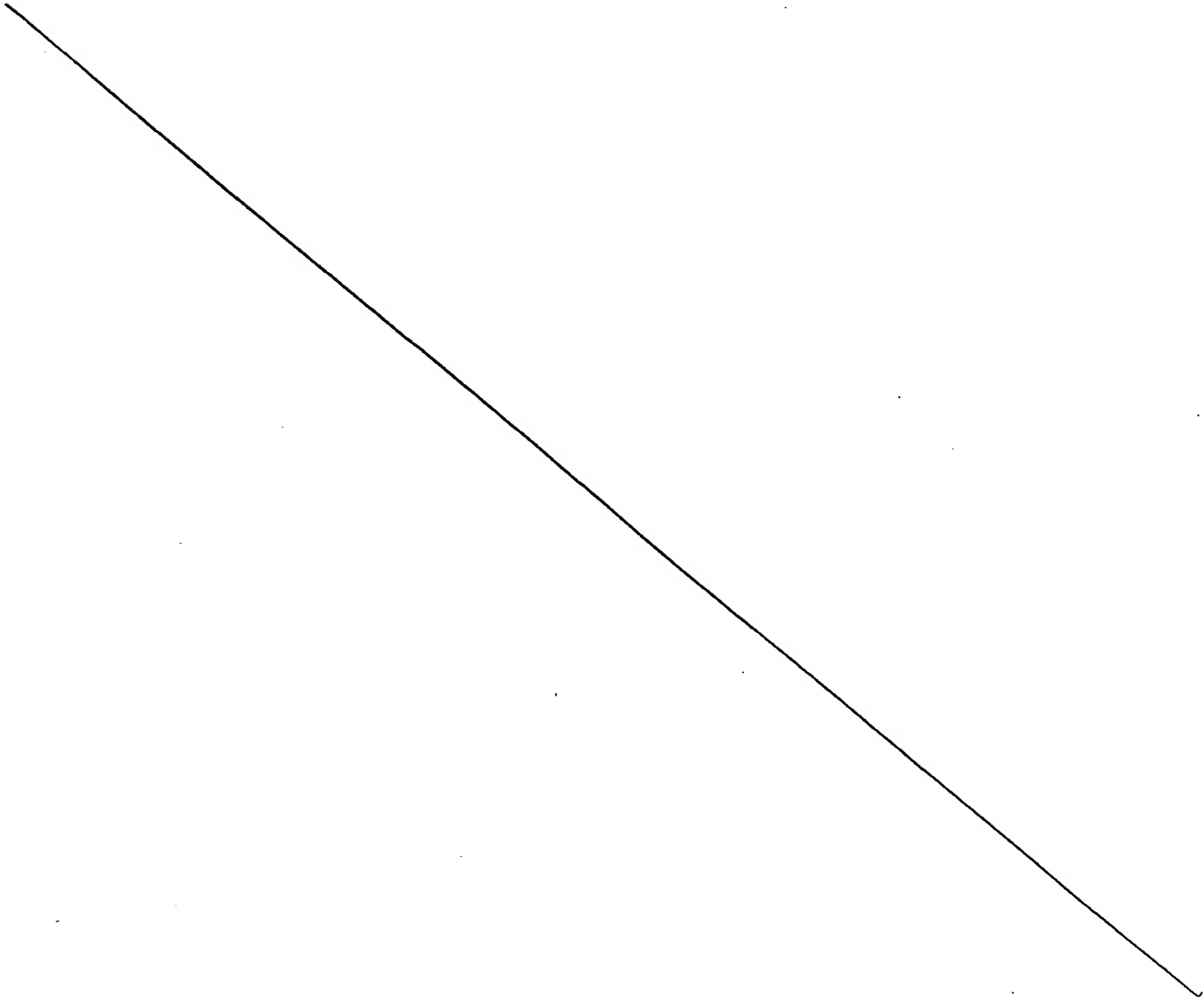
1   8.   The method of claim 4, wherein

2   storing a user address includes storing a user credential, wherein the

3   user credential was received from the PID via the multimedia terminal; and

4   determining the physical address of the multimedia terminal includes

5   determining the PID address.

1   9.   The method of claim 8, wherein the step of storing in a memory a mobile user

2   record is performed only if the user address is determined to be authentic based at least in

3   part from the user credential.

1   10.   The method of claim 8, wherein the step of storing in a memory a mobile user

2   record is performed only if the user address is determined to be authorized.

1   11.   The method of claim 9, wherein the step of storing in a memory a mobile user

2   record is performed only if the user address is determined to be authorized.

1   12.   The method of claim 8, wherein completing the multimedia call to the

2   multimedia terminal at the physical address includes:

3   receiving a second user credential; and

4   completing the multimedia call to the multimedia terminal at the

5   physical address only if the received second user credential corresponds to

6   the stored user credential.

1   13.   A method for processing a multimedia call addressed to a user address of a

2 mobile user having used a personal intelligent device ("PID") to register to receive a

3 multimedia call at a multimedia terminal, comprising:

4   associating a physical address of the multimedia terminal and a user

5   address, the user address having been received from a PID via the

6   multimedia terminal;

7   responsive to a multimedia call addressed to the user address,

8   determining the physical address based at least partly from the association of

9   the physical address and the user address;

10   determining that the multimedia call cannot be completed to the

11   physical address;

12   determining a second physical address, wherein the physical address

13   and the second physical address are each part of a hunt group of physical

14   addresses;

15   transmitting call notification information to the multimedia terminal at

16   the second physical address; and

17   completing the multimedia call to the second physical address.

1   14.   The method of claim 13, wherein the call notification information includes the

2 user address.

1   15.   The method of claim 14, wherein the call notification information incudes a

2 call announcement message.

1 16. An apparatus for completing a multimedia call addressed to a user address of

2 a mobile user who registered, using a personal intelligent device ("PID"), to receive a

3 multimedia call at a multimedia terminal, comprising:

4 a. a processor; and

5 b. a memory, coupled to said processor, storing a plurality of

6 instructions adapted to be executed by said processor to:

7 store a user address and a physical address of the multimedia

8 terminal in a mobile user record, wherein the user address was

9 received from a PID via the multimedia terminal;

10 responsive to a multimedia call addressed to the user

11 address, determine the physical address based at least partly from the

12 mobile user record;

13 transmit call notification information to the multimedia terminal

14 at the physical address; and

15 complete the multimedia call to the multimedia terminal at the

16 physical address.

1 17. The apparatus of claim 16, wherein

2 the user address storing instructions include instructions to

3 store a PID address, wherein the PID address was received from the

4 PID via the multimedia terminal; and

5 the physical address determining instructions include

6 instructions to determine the PID address.

1   18.   The apparatus of claim 17, wherein:

2   the user address storing instructions include instructions to

3   store a user credential, wherein the user credential was received from

4   the PID via the multimedia terminal; and

5   the physical address determining instructions include

6   instructions to determine the PID address.

1   19.   A system for completing a multimedia call addressed to a user address of a

2 mobile user who registered to receive a multimedia call at a multimedia terminal, comprising:

3   means for storing a user address and a physical address of the

4   multimedia terminal in a mobile user record;

5   responsive to a multimedia call addressed to the user address, means

6   for determining the physical address based at least partly from the mobile

7   ·user record;

8   means for transmitting call notification information to the multimedia

9   terminal at the physical address; and

10   means for completing the multimedia call to the multimedia terminal at

11   the physical address.

1   20.   A medium storing a plurality of instructions adapted for execution by a

2   processor for completing a multimedia call addressed to a user address of a mobile user who

3   registered to receive a multimedia call at a multimedia terminal, said plurality of instructions

4   comprising instructions to:

5   store a user address and a physical address of the multimedia

6   terminal in a mobile user record, wherein the user address was received from

7   a PID via the multimedia terminal;

8   responsive to a multimedia call addressed to the user address,

9   determine the physical address based at least partly from the mobile user

10   record;

11   transmit call notification information to the multimedia terminal at the

12   physical address; and

13   complete the multimedia call to the multimedia terminal at the physical

14   address.

1   21.   The medium of claim 20, wherein

2   the instructions to store a user address include instructions to store a

3   PID address, wherein the PID address was received from the PID via the

4   multimedia terminal; and

5   the instructions to determine the physical address include instructions

6   to determine the PID address.

1   22.   The medium of claim 20, wherein

2   the instructions to store a user address include instructions to store a

3   user credential, wherein the user credential was received from the PID via the

4   multimedia terminal; and

5   the instructions to determine the physical address of the multimedia

6   terminal include instructions to determine the PID address.

1   23.   The medium of claim 8, wherein the instructions to complete the multimedia

2   call to the multimedia terminal at the physical address include instructions to:

3   receive a second user credential;

4   complete the multimedia call to the multimedia terminal at the physical

5   address only if the received second user credential corresponds to the stored

6   user credential.